



U. S. GEOLOGICAL SURVEY
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To: Ground-water Project Chiefs, MD-DE-DC WSC

From: Jeff Raffensperger, Ground-water Specialist, MD-DE-DC WSC

Subject: Minimum Sitefile data requirements for establishment of ground-water sites in GWSI

Purpose

Minimum data set requirements are established for creation of a new Sitefile in GWSI, as specified in Chapter 2 of the GWSI User's Manual (Version 4.8). These minimum requirements must be entered in order for the site to be established, and are indicated on the coding form with gray boxes. Additional components are necessary for publication through SIMS, and several additional components are hereby required to provide consistency and allow for specific queries for sites managed by the Center. Data components required by the Center are identified on the Water Science Center's coding form by a solid double-line or box.

The following components are the **minimum** required for ground-water sites in the MD-DE-DC Water Science Center's Ground-Water Site Inventory (GWSI) Database. Our goal is to have all of these components populated in GWSI for all new sites and any existing sites with data in water year 2008.

Component Number	Description	Required by GWSI	Needed in GWSI for SIMS	Expected by WSC
SITE Records				
C004	Agency Code	X	X	X
C001	Site Identification Number	X ¹	X	X
C005	Project Number (7 characters)			X
C012/C900	Station Name/Local Number	X	X	X
C802	Site Type	X	X	X
C006	District	X	X	X
C041	Country	X	X	X
C007	State	X	X	X
C008	County	X	X	X
C009	Latitude	X ¹	X	X
C010	Longitude	X ¹	X	X
C011	Latitude/Longitude Accuracy	X	X	X
C035	Latitude/Longitude Method	X	X	X
C036	Latitude/Longitude Datum	X	X	X
C016	Altitude	C1	X	X
C017	Altitude Method	C1	X	X
C018	Altitude Accuracy	C1	X	X
C022	Altitude Datum	C1	X	X
C020	Hydrologic-Unit Code		X	X
C813	Standard Time Zone Code	X		X
C814	Daylight Savings Time Flag	X		X
C803	Agency Use of Site			X
C039	National Water-Use	C2		
C032	Web-ready Flag	X		X
C003	Data Reliability	X	X	X
C021	Date of Construction			X
C023	Use of Site (not required for springs)	X		X
C024	Use of Water (ground-water sites only)			X
C713	Aquifer Type			X
C714	Primary (Local) Aquifer		X	X
C715	National Aquifer		X	X
C027	Hole Depth			X
C028	Well Depth		X	X
C029	Source of Depth Data			X
CONS, HOLE, CSNG, OPEN, MPNT Records				
C083	Depth to Top of Interval	X	X	X
C084	Depth to Bottom of Interval		X	X
C321	Beginning Date (for most recent M.P.)		X	X
C323	M.P. Height		X	X
C324	M.P. Description ²		X	X

C1 – Conditional on altitude (C016) being entered.

C2 – Conditional if data to be entered in SWUDS.

¹ If site's data is proprietary because it's located in a sensitive area such as a military installation, these data can be manually deleted from SIMS pages prior to processing.

² Proper format is required.